

## SEQUENCE LISTING

<110> Inpharmatica Limited

<120> Serine Protease

<130> P032668WO

<140> PCT/GB03/05404

<141> 2003-12-11

<150> GB 0228957.7

<151> 2002-12-11

<160> 26

<170> SeqWin99, version 1.02

<210> 1

<211> 58

<212> DNA

<213> Homo sapiens

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<210> 2

<211> 20

<212> PRT

<213> Homo sapiens

<400> 2

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Leu Met Glu Gly  
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<213> Homo sapiens

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<213> Homo sapiens

<400> 4

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 <211> 163  
 <212> DNA  
 <213> Homo sapiens

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 agtggccctg gcaggccagt gtgaggagga aaggagccca catctgcagc ggctccctgg 120  
 tggcagacac ctgggtcctc actgctgccc actgctttga aaa 163

<210> 6  
 <211> 54  
 <212> PRT  
 <213> Homo sapiens

<400> 6  
 Cys Gly Gln Arg Gly Pro Gly Pro Pro Lys Pro Gln Glu Gly Asn Thr  
 1 5 10 15  
 Val Pro Gly Glu Trp Pro Trp Gln Ala Ser Val Arg Arg Gln Gly Ala  
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 His Ile Cys Ser Gly Ser Leu Val Ala Asp Thr Trp Val Leu Thr Ala  
 35 40 45  
 Ala His Cys Phe Glu Lys  
 50

<210> 7  
 <211> 266  
 <212> DNA  
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<400> 7  
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 ccactacagc cagggtcag acctggccct gctgcagtc gccaccca cgaccacac 180  
 accctctgc ctgcccagc ccgccatcg cttcccctt ggagcctcct gctgggccac 240  
 tggctgggat caggacacca gtgatg 266

<210> 8  
 <211> 89  
 <212> PRT  
 <213> Homo sapiens

<400> 8  
 Ala Ala Ala Thr Glu Leu Asn Ser Trp Ser Val Val Leu Gly Ser Leu  
 1 5 10 15  
 Gln Arg Glu Gly Leu Ser Pro Gly Ala Glu Glu Val Gly Val Ala Ala  
 20 25 30  
 Leu Gln Leu Pro Arg Ala Tyr Asn His Tyr Ser Gln Gly Ser Asp Leu  
 35 40 45

Ala Leu Leu Gln Leu Ala His Pro Thr Thr His Thr Pro Leu Cys Leu  
 50 55 60

Pro Gln Pro Ala His Arg Phe Pro Phe Gly Ala Ser Cys Trp Ala Thr  
 65 70 75 80

Gly Trp Asp Gln Asp Thr Ser Asp Ala  
 85

<210> 9  
 <211> 155  
 <212> DNA  
 <213> Homo sapiens

<400> 9  
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 ggggccccca gcctgggggtg cagggcccct gtcag 155

<210> 10  
 <211> 51  
 <212> PRT  
 <213> Homo sapiens

<400> 10  
 Pro Gly Thr Leu Arg Asn Leu Arg Leu Arg Leu Ile Ser Arg Pro Thr  
 1 5 10 15

Cys Asn Cys Ile Tyr Asn Gln Leu His Gln Arg His Leu Ser Asn Pro  
 20 25 30

Ala Arg Pro Gly Met Leu Cys Gly Gly Pro Gln Pro Gly Val Gln Gly  
 35 40 45

Pro Cys Gln  
 50

<210> 11  
 <211> 220  
 <212> DNA  
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<400> 11  
 ggagattccg ggggccctgt gctgtgcctc gagcctgacg gacactgggt tcaggctggc 60  
 atcatcagct ttgcatcaag ctgtgcccag gaggacgctc ctgtgctgct gaccaacaca 120  
 gctgtctcaca gttcctggct gcaggctcga gttcaggggg cagctttcct ggcccagagc 180  
 ccagagaccc cggagatgag tgatgaggac agctgtgtag 220

<210> 12  
 <211> 74  
 <212> PRT  
 <213> Homo sapiens

<400> 12  
 Gly Asp Ser Gly Gly Pro Val Leu Cys Leu Glu Pro Asp Gly His Trp

1                    5                    10                    15  
 Val Gln Ala Gly Ile Ile Ser Phe Ala Ser Ser Cys Ala Gln Glu Asp  
                   20                    25                    30  
 Ala Pro Val Leu Leu Thr Asn Thr Ala Ala His Ser Ser Trp Leu Gln  
                   35                    40                    45  
 Ala Arg Val Gln Gly Ala Ala Phe Leu Ala Gln Ser Pro Glu Thr Pro  
                   50                    55                    60  
 Glu Met Ser Asp Glu Asp Ser Cys Val Ala  
 65                    70

<210> 13  
 <211> 151  
 <212> DNA  
 <213> Homo sapiens

<400> 13  
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 cggtgctaac tgctgccac tgcttcattg g 151

<210> 14  
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 <212> PRT  
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<400> 14  
 Cys Gly Ser Leu Arg Thr Ala Gly Pro Gln Ala Gly Ala Pro Ser Pro  
 1                    5                    10                    15

Trp Pro Trp Glu Ala Arg Leu Met His Gln Gly Gln Leu Ala Cys Gly  
                   20                    25                    30

Gly Ala Leu Val Ser Glu Glu Ala Val Leu Thr Ala Ala His Cys Phe  
                   35                    40                    45

Ile Gly  
 50

<210> 15  
 <211> 245  
 <212> DNA  
 <213> Homo sapiens

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 cctgctgctg gccagcctg tgacactggg agccagcctg cggcccctct gcctgcccta 180  
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 agcag 245

<210> 16

<211> 82  
 <212> PRT  
 <213> Homo sapiens

<400> 16  
 Arg Gln Ala Pro Glu Glu Trp Ser Val Gly Leu Gly Thr Arg Pro Glu  
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 Glu Trp Gly Leu Lys Gln Leu Ile Leu His Gly Ala Tyr Thr His Pro  
 20 25 30  
 Glu Gly Gly Tyr Asp Met Ala Leu Leu Leu Leu Ala Gln Pro Val Thr  
 35 40 45  
 Leu Gly Ala Ser Leu Arg Pro Leu Cys Leu Pro Tyr Pro Asp His His  
 50 55 60  
 Leu Pro Asp Gly Glu Arg Gly Trp Val Leu Gly Arg Ala Arg Pro Gly  
 65 70 75 80  
 Ala Gly

<210> 17  
 <211> 146  
 <212> DNA  
 <213> Homo sapiens

<400> 17  
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 tgcattgcagc tcctgggggt gatggcagcc ctattctgcc ggggatgggtg tgtaccagtg 120  
 ctgtgggtga gctgcccagc tgtgag 146

<210> 18  
 <211> 48  
 <212> PRT  
 <213> Homo sapiens

<400> 18  
 Ile Ser Ser Leu Gln Thr Val Pro Val Thr Leu Leu Gly Pro Arg Ala  
 1 5 10 15  
 Cys Ser Arg Leu His Ala Ala Pro Gly Gly Asp Gly Ser Pro Ile Leu  
 20 25 30  
 Pro Gly Met Val Cys Thr Ser Ala Val Gly Glu Leu Pro Ser Cys Glu  
 35 40 45

<210> 19  
 <211> 276  
 <212> DNA  
 <213> Homo sapiens

<400> 19

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ggcctgtctg gggcaccact ggtgcatgag gtgaggggca catgggttct ggcggggctg 60
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gcctatgagg actgggtcag cagtttggac tggcaggtct acttcgccga ggaaccagag 180
cccagggtg agcctggaag ctgcctggcc aacataagta tgtggccccg gggcctcctg 240
ccaaaccctg cctctccagg acccttctct ctccag 276

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<210> 20
<211> 92
<212> PRT
<213> Homo sapiens

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<400> 20
Gly Leu Ser Gly Ala Pro Leu Val His Glu Val Arg Gly Thr Trp Phe
1 5 10 15
Leu Ala Gly Leu His Ser Phe Gly Asp Ala Cys Gln Gly Pro Ala Arg
20 25 30
Pro Ala Val Phe Thr Ala Leu Pro Ala Tyr Glu Asp Trp Val Ser Ser
35 40 45
Leu Asp Trp Gln Val Tyr Phe Ala Glu Glu Pro Glu Pro Glu Ala Glu
50 55 60
Pro Gly Ser Cys Leu Ala Asn Ile Ser Met Trp Pro Arg Gly Leu Leu
65 70 75 80
Pro Asn Pro Ala Ser Pro Gly Pro Phe Ser Leu Gln
85 90

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<210> 21
<211> 1701
<212> DNA
<213> Homo sapiens

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<400> 21
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ggcaacacag tccctggcga gtggccctgg caggccagtg tgaggaggca aggagccac 180
atctgcagcg gctccctggg ggcagacacc tgggtcctca ctgctgccca ctgctttgaa 240
aaggcagcag caacagaact gaattcctgg tcagtgggcc tgggttctct gcagcgtgag 300
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aaccactaca gccagggctc agacctggcc ctgctgcagc tcgccacccc cagcaccac 420
acacccctct gcctgcccc acccccccat cgcttccctt ttggagcctc ctgctgggcc 480
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tacgacatgg ccctcctgct gctggcccag cctgtgacac tgggagccag cctgcggccc 1200
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<210> 22
<211> 567
<212> PRT
<213> Homo sapiens

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<400> 22
Met Lys Trp Cys Trp Gly Pro Val Leu Leu Ile Ala Gly Ala Thr Val
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Leu Met Glu Gly Leu Gln Ala Ala Gln Arg Ala Cys Gly Gln Arg Gly
20 25 30

Pro Gly Pro Pro Lys Pro Gln Glu Gly Asn Thr Val Pro Gly Glu Trp
35 40 45

Pro Trp Gln Ala Ser Val Arg Arg Gln Gly Ala His Ile Cys Ser Gly
50 55 60

Ser Leu Val Ala Asp Thr Trp Val Leu Thr Ala Ala His Cys Phe Glu
65 70 75 80

Lys Ala Ala Ala Thr Glu Leu Asn Ser Trp Ser Val Val Leu Gly Ser
85 90 95

Leu Gln Arg Glu Gly Leu Ser Pro Gly Ala Glu Glu Val Gly Val Ala
100 105 110

Ala Leu Gln Leu Pro Arg Ala Tyr Asn His Tyr Ser Gln Gly Ser Asp
115 120 125

Leu Ala Leu Leu Gln Leu Ala His Pro Thr Thr His Thr Pro Leu Cys
130 135 140

Leu Pro Gln Pro Ala His Arg Phe Pro Phe Gly Ala Ser Cys Trp Ala
145 150 155 160

Thr Gly Trp Asp Gln Asp Thr Ser Asp Ala Pro Gly Thr Leu Arg Asn
165 170 175

Leu Arg Leu Arg Leu Ile Ser Arg Pro Thr Cys Asn Cys Ile Tyr Asn
180 185 190

Gln Leu His Gln Arg His Leu Ser Asn Pro Ala Arg Pro Gly Met Leu
195 200 205

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Cys Gly Gly Pro Gln Pro Gly Val Gln Gly Pro Cys Gln Gly Asp Ser  
 210 215 220  
 Gly Gly Pro Val Leu Cys Leu Glu Pro Asp Gly His Trp Val Gln Ala  
 225 230 235 240  
 Gly Ile Ile Ser Phe Ala Ser Ser Cys Ala Gln Glu Asp Ala Pro Val  
 245 250 255  
 Leu Leu Thr Asn Thr Ala Ala His Ser Ser Trp Leu Gln Ala Arg Val  
 260 265 270  
 Gln Gly Ala Ala Phe Leu Ala Gln Ser Pro Glu Thr Pro Glu Met Ser  
 275 280 285  
 Asp Glu Asp Ser Cys Val Ala Cys Gly Ser Leu Arg Thr Ala Gly Pro  
 290 295 300  
 Gln Ala Gly Ala Pro Ser Pro Trp Pro Trp Glu Ala Arg Leu Met His  
 305 310 315 320  
 Gln Gly Gln Leu Ala Cys Gly Gly Ala Leu Val Ser Glu Glu Ala Val  
 325 330 335  
 Leu Thr Ala Ala His Cys Phe Ile Gly Arg Gln Ala Pro Glu Glu Trp  
 340 345 350  
 Ser Val Gly Leu Gly Thr Arg Pro Glu Glu Trp Gly Leu Lys Gln Leu  
 355 360 365  
 Ile Leu His Gly Ala Tyr Thr His Pro Glu Gly Gly Tyr Asp Met Ala  
 370 375 380  
 Leu Leu Leu Leu Ala Gln Pro Val Thr Leu Gly Ala Ser Leu Arg Pro  
 385 390 395 400  
 Leu Cys Leu Pro Tyr Pro Asp His His Leu Pro Asp Gly Glu Arg Gly  
 405 410 415  
 Trp Val Leu Gly Arg Ala Arg Pro Gly Ala Gly Ile Ser Ser Leu Gln  
 420 425 430  
 Thr Val Pro Val Thr Leu Leu Gly Pro Arg Ala Cys Ser Arg Leu His  
 435 440 445  
 Ala Ala Pro Gly Gly Asp Gly Ser Pro Ile Leu Pro Gly Met Val Cys  
 450 455 460  
 Thr Ser Ala Val Gly Glu Leu Pro Ser Cys Glu Gly Leu Ser Gly Ala  
 465 470 475 480  
 Pro Leu Val His Glu Val Arg Gly Thr Trp Phe Leu Ala Gly Leu His  
 485 490 495



Ser Phe Gly Asp Ala Cys Gln Gly Pro Ala Arg Pro Ala Val Phe Thr  
                   500                                  505                                  510

Ala Leu Pro Ala Tyr Glu Asp Trp Val Ser Ser Leu Asp Trp Gln Val  
                   515                                  520                                  525

Tyr Phe Ala Glu Glu Pro Glu Pro Glu Ala Glu Pro Gly Ser Cys Leu  
                   530                                  535                                  540

Ala Asn Ile Ser Met Trp Pro Arg Gly Leu Leu Pro Asn Pro Ala Ser  
                   545                                  550                                  555                                  560

Pro Gly Pro Phe Ser Leu Gln  
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<210> 23  
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<400> 23  
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<210> 24  
 <211> 4  
 <212> PRT  
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<400> 24  
 Ala Gln Arg Ala  
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<210> 25  
 <211> 1632  
 <212> DNA  
 <213> Homo sapiens

<400> 25  
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gtccctggcg agtggccctg gcaggccagt gtgaggaggc aaggagccca catctgcagc 120

ggctccctgg tggcagacac ctgggtcctc actgctgccc actgctttga aaaggcagca 180

gcaacagaac tgaattcctg gtcagtggtc ctgggttctc tgcagcgtga gggactcagc 240

cctggggccg aagaggtggg ggtggctgcc ctgcagttgc ccagggccta taaccactac 300

agccagggct cagacctggc cctgctgcag ctgccccacc ccacgacca cacaccctc 360

tgcctgcccc agcccgccca tcgcttcccc tttggagcct cctgctgggc cactggctgg 420

gatcaggaca ccagtgatgc tcttgggacc ctacgcaatc tgcgcctgcg tctcatcagt 480

cgccccacat gtaactgtat ctacaaccag ctgcaccagc gacacctgtc caaccgggcc 540

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<210> 26
<211> 544
<212> PRT
<213> Homo sapiens

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<400> 26
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Ala Gln Arg Ala Cys Gly Gln Arg Gly Pro Gly Pro Pro Lys Pro Gln
1           5           10           15

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Glu Gly Asn Thr Val Pro Gly Glu Trp Pro Trp Gln Ala Ser Val Arg
          20           25           30

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Arg Gln Gly Ala His Ile Cys Ser Gly Ser Leu Val Ala Asp Thr Trp  
           35                          40                          45

Val Leu Thr Ala Ala His Cys Phe Glu Lys Ala Ala Ala Thr Glu Leu  
       50                          55                          60

Asn Ser Trp Ser Val Val Leu Gly Ser Leu Gln Arg Glu Gly Leu Ser  
       65                          70                          75                          80

Pro Gly Ala Glu Glu Val Gly Val Ala Ala Leu Gln Leu Pro Arg Ala  
                           85                          90                          95

Tyr Asn His Tyr Ser Gln Gly Ser Asp Leu Ala Leu Leu Gln Leu Ala  
                   100                          105                          110

His Pro Thr Thr His Thr Pro Leu Cys Leu Pro Gln Pro Ala His Arg  
           115                          120                          125

Phe Pro Phe Gly Ala Ser Cys Trp Ala Thr Gly Trp Asp Gln Asp Thr  
       130                          135                          140

Ser Asp Ala Pro Gly Thr Leu Arg Asn Leu Arg Leu Arg Leu Ile Ser  
       145                          150                          155                          160

Arg Pro Thr Cys Asn Cys Ile Tyr Asn Gln Leu His Gln Arg His Leu  
                           165                          170                          175

Ser Asn Pro Ala Arg Pro Gly Met Leu Cys Gly Gly Pro Gln Pro Gly  
                   180                          185                          190

Val Gln Gly Pro Cys Gln Gly Asp Ser Gly Gly Pro Val Leu Cys Leu  
       195                          200                          205

Glu Pro Asp Gly His Trp Val Gln Ala Gly Thr Ile Ser Phe Ala Ser  
       210                          215                          220

Ser Cys Ala Gln Glu Asp Ala Pro Val Leu Leu Thr Asn Thr Ala Ala  
       225                          230                          235                          240

His Ser Ser Trp Leu Gln Ala Arg Val Gln Gly Ala Ala Phe Leu Ala  
                           245                          250                          255

Gln Ser Pro Glu Thr Pro Glu Met Ser Asp Glu Asp Ser Cys Val Ala  
260 265 270

Cys Gly Ser Leu Arg Thr Ala Gly Pro Gln Ala Gly Ala Pro Ser Pro  
275 280 285

Trp Pro Trp Glu Ala Arg Leu Met His Gln Gly Gln Leu Ala Cys Gly  
290 295 300

Gly Ala Leu Val Ser Glu Glu Ala Val Leu Thr Ala Ala His Cys Phe  
305 310 315 320

Ile Gly Arg Gln Ala Pro Glu Glu Trp Ser Val Gly Leu Gly Thr Arg  
325 330 335

Pro Glu Glu Trp Gly Leu Lys Gln Leu Ile Leu His Gly Ala Tyr Thr  
340 345 350

His Pro Glu Gly Gly Tyr Asp Met Ala Leu Leu Leu Leu Ala Gln Pro  
355 360 365

Val Thr Leu Gly Ala Ser Leu Arg Pro Leu Cys Leu Pro Tyr Pro Asp  
370 375 380

His His Leu Pro Asp Gly Glu Arg Gly Trp Val Leu Gly Arg Ala Arg  
385 390 395 400

Pro Gly Ala Gly Ile Ser Ser Leu Gln Thr Val Pro Val Thr Leu Leu  
405 410 415

Gly Pro Arg Ala Cys Ser Arg Leu His Ala Ala Pro Gly Gly Asp Gly  
420 425 430

Ser Pro Ile Leu Pro Gly Met Val Cys Thr Ser Ala Val Gly Glu Leu  
435 440 445

Pro Ser Cys Glu Gly Leu Ser Gly Ala Pro Leu Val His Glu Val Arg  
450 455 460

Gly Thr Trp Phe Leu Ala Gly Leu His Ser Phe Gly Asp Ala Cys Gln  
465 470 475 480

Gly Pro Ala Arg Pro Ala Val Phe Thr Ala Leu Pro Ala Tyr Glu Asp  
485 490 495

Trp Val Ser Ser Leu Asp Trp Gln Val Tyr Phe Ala Glu Glu Pro Glu  
500 505 510

Pro Glu Ala Glu Pro Gly Ser Cys Leu Ala Asn Ile Ser Met Trp Pro  
515 520 525

Arg Gly Leu Leu Pro Asn Pro Ala Ser Pro Gly Pro Phe Ser Leu Gln  
530 535 540